

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. § 371

Attorney Docket No.  
W51.12-0032

U.S. Application No.  
**10/587908**

INTERNATIONAL APPLICATION  
PCT/FR2004/003378

INTERNATIONAL FILING DATE  
23 December 2004

PRIORITY DATE CLAIMED  
30 January 2004

TITLE OF INVENTION

MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION

APPLICANT(S) FOR DO/EO/US  
ROUXEL, Alexandre et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (12) indicated below.
  4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☒ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☒ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ An English language translation of the amendment to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and .198.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
  13. ☒ A **FIRST** preliminary amendment.
  14. ☒ An Application Data Sheet under 37 CFR 1.76
  15. ☒ A substitute specification.
  16. ☐ A change of power of attorney and/or address letter.
  17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  20. ☒ Other items or information:
 

a. <input checked="" type="checkbox"/> Copy of Search Report.	b. <input checked="" type="checkbox"/> Abstract typed on a separate page.
c. <input checked="" type="checkbox"/> <u>2</u> sheets of drawings.	d. <input type="checkbox"/> International Preliminary Examination Report.


U.S. APPLICATION NO. <b>10/587900</b>		INTERNATIONAL APPLICATION NO. <b>2004/003378</b>		ATTORNEY'S DOCKET NUMBER <b>W51.12-0032</b>	
21. <input checked="" type="checkbox"/> The following fees are submitted:				Applicant Use	Office Use Only
<input checked="" type="checkbox"/> a) Basic National Fee		\$300.00	\$300.00		
<input checked="" type="checkbox"/> b) Examination Fee		\$200.00	\$200.00		
<input checked="" type="checkbox"/> c) Search Fee		\$500.00	\$500.00		
Total of Above Calculations=			\$1000.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
31-100=	0/50=	0	x \$250.00	\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$0.00	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total claims		25 - 20 =	5	X \$50.00	\$250.00
Independent claims		2 - 3 =	0	X \$200.00	\$0.00
MULTIPLE DEPENDENT CLAIM (S) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$1250.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$1250.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))				\$0.00	
TOTAL NATIONAL FEE =				\$1250.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				\$0.00	
TOTAL FEES ENCLOSED				\$1250.00	
				Amount to be: refunded	\$
				charged	\$

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 23-1123 in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (1.37(a) or (b)) must be filed and granted to restore the application to pending status.

Send all correspondence to:

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Signature  
David D. Brush  
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Registration Number

10/587908

IAP5 Rec'd PCT/PTO 28 JUL 2006

## UNITED STATES RECEIVING OFFICE (RO/US)

Re	International Appln. No. PCT/FR2004/003378
Applicant	ROUXEL, Alexandre et al.
International Filing Date	23 December 2004 (23.12.2004)
Title of Invention	MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION
Agent's File	W51.12-0032

## Letter

EV768722898US

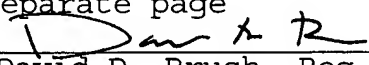
July 28, 2006

"Express Mail" Mailing Number

Date of Deposit

The following are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

1. PTO-2038 \$1250 Filing Fee
2. Transmittal Letter (completed Form No. PTO-1390)
3. Application Data Sheet
4. Preliminary Amendment
5. Substitute Specification-clean version
6. Substitute Specification-marked-up version
7. Copy of front page only of International Publication No. WO 2005/083964 (PCT/FR2004/003378)
8. Copy of specification and drawings as originally filed in French, translation in English
9. Combined Declaration and Power of Attorney
10. International Search Report
11. Abstract typed on a separate page

  
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DDB:tkj